

Learning Works Charter School



Integrated Math IA Module 1

Student Name:	Teacher Name:
make conjectures while that's okay! Learning an	ne chapters in your Integrated Math 1 course, you will be encouraged to think and to you persevere through challenging problems and exercises. You will make errors – and understanding occur when you make errors and push through mental roadblocks to new and challenging problems.
Text: Integrated Math	I, Big Ideas, 2016
	you are learning, you must show your work for all exercises. LL <u>NOT EARN CREDIT</u> FOR ANSWERS <u>WITHOUT WORK</u> .
Maintaining M 1.1 Solving Si #1, 5, 6, 7-10 1.2 Solving M #1, 3-9 all, 1 1.3 Solving E #3-8 all, 10, 1.4 Solving A #2-19 all, 49 1.5 Rewriting #3, 4, 6, 7, 8 Students must comple Chapter Revie	Linear Equations (1.1-1.5) Mathematical Proficiency (page 1): Complete exercises #1-19 all imple Equations: Read the lesson and complete exercises all, 14, 17, 21, 22, 23, 25, 27, 42, 50, 58, 60, 61 Multi-Step Equations: Read the lesson and complete exercises 1, 12, 13, 14, 17, 18, 25, 29, 33, 42, 57, 58 quations with Variables on Both Sides: Read the lesson and complete exercises 11, 16, 25, 41, 42, 43, 44 bsolute Value Equations: Read the lesson and complete exercises 64, 66, 67 Equations and Formulas: Read the lesson and complete exercises 13, 15, 35, 47, 48, 49, 50 The teste Chapter Review and Project with a teacher or tutor at school. The sew (pages 44-46): Complete exercises #1-23 all attached Project (No project = No credit)
A teacher or tutor r	eviewed the Chapter Review and Project with the student.
Date:	Signature:

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Grade

Integrated Math 1 Project Module 1: Solving Linear Equations Textbook Pages 1-48

High School Completion

Be sure to answer questions in complete sentences and show all of your work.

Part	A٠	Fernand	dΛ	Wants	to	Graduate
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Fernando is a student at Walt Disney High School and needs 220 credits to earn his high school diploma. He currently has 124 credits completed. There are 10 learning periods in one school year
1. How many learning periods would it take Fernando to graduate if he completes 3 modules per learning period? (Remember that each module is worth one credit.)
2. How many school years would it take Fernando to finish at this rate? (Remember: There are 10
learning periods per school year)
3. How many learning periods would it take Fernando to graduate if he completes 5 modules per learning period?
carring period:
4. How many school years would it take Fernando to finish at this rate?

In order to solve these problems for any student, we could use the equation T = mp + c, where:

- T represents the <u>TOTAL</u> number of credits needed to graduate,
- m represents the number of MODULES the student completes in each learning period,
- p represents the total number of **LEARNING PERIODS**, and
- c represent the number of <u>CREDITS</u> already completed.
- 5. What is "T" in Fernando's situation? ____
- 6. What is "c" in Fernando's situation? ____
- 7. Let's try using this equation to find p, the total number of learning periods it would take Fernando to graduate if he completes 8 modules per learning period.

$$T = mp + c$$
Equation: _____

Solve for p:

8. How many school years would it take Fernando to finish at this rate?

Part B: How long will it take YOU to graduate?

Learning works requires 180 credits to earn a high school diploma. Ask your teacher how many credits you have completed. How many learning periods will it take YOU to graduate if YOU complete 3 modules per learning period? 5 modules? 8 modules?

How many credits have you completed? When are you planning to graduate?		
Let's see if you are on track!		
3 modules: Equation: Solve for p:		
Number of learning periods: Number of school years:		
5 modules: Equation: Solve for p:		
Number of learning periods: Number of school years:		
8 modules: Equation: Solve for p:		
Number of learning periods: Number of school years:		

1.	How many modules do you typically complete per learning period?
2.	Would you consider this adequate progress toward graduation? Why or why not?
3.	Based upon your findings, can you meet your graduation goal? Explain.
4.	What changes need to be made in order to make your graduation goal?
5.	If you get a decimal for the number of years, what does that mean in terms of graduation?